

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	20	US-2401649-\$.DID. OR US-3001928-\$.DID. OR US-4049539-\$.DID. OR US-4401554-\$.DID. OR US-4839024-\$.DID. OR US-4950385-\$.DID. OR US-5552033-\$.DID. OR US-5658453-\$.DID. OR US-5672265-\$.DID. OR US-5770045-\$.DID. OR US-5858209-\$.DID. OR US-4233268-\$.DID. OR US-2905620-\$.DID. OR US-2940921-\$.DID. OR US-2967822-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 15:00
S2	121	("2401649"   "2664386"   "2758064"   "2851398"   "2853437"   "2915453"   "2921016"   "2965560"   "2970955"   "2990363"   "3001928"   "3033780"   "3124523"   "3177135"   "3180877"   "3379767"   "3392107"   "3502569"   "3595628"   "3652231"   "3679575"   "3706536"   "3706813"   "3714022"   "3725248"   "3753891"   "3761390"   "3776838"   "3816294"   "3835037"   "3865716"   "3869377"   "3926780"   "3933619"   "3974061"   "4049539"   "4134823"   "4206035"   "4208271"   "4401554"   "4560536"   "4594145"   "4615793"   "4645586"   "4648961"   "4650565"   "4885420"   "4927521"   "4930976"   "4950385"   "5015794"   "5030782"   "5107052"   "5298150"   "5320742"   "5346609"   "5362376"   "5396010"   "5411658"   "5413696"   "5413697"   "5413698"   "5565090"   "5672265").PN. OR ("2401649"   "2905620"   "2940921"   "2967822"   "3001928"   "4049539"   "4233268"   "4401554"   "4839024"   "4950385"   "5552033"   "5658453"   "5672265"   "5770045"   "5858209").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/20 15:51
S3	1227	208/134,63.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 15:38

## EAST Search History

S4	2	S1 and S3	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/13 16:31
S5	13	S2 and S3	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/13 15:36
S6	3	S1 and cool\$4 with second	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/13 16:33
S7	0	S1 and cool\$4 with partial adj condens\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/13 16:33
S8	0	S1 and cool\$4 with partial	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/13 16:34
S9	11	S1 and cool\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/13 16:42
S10	0	S1 and partial\$2 with condens\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/13 16:34
S11	504	reacting with cooling and cooling with first and cooling with second	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/13 16:44
S12	0	S1 and S11	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/13 16:43
S13	1	S11 and S2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/13 16:44
S14	0	S11 and S3	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/13 16:44
S15	12358	react\$4 with cool\$4 and cool\$4 with first and cool\$4 with second	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/13 16:46
S16	2	S15 and S1	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/13 16:45
S17	4	S15 and S2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/13 16:46
S18	31	S15 and S3	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/13 16:46

## EAST Search History

S19	20	US-2401649-\$.DID. OR US-3001928-\$.DID. OR US-4049539-\$.DID. OR US-4401554-\$.DID. OR US-4839024-\$.DID. OR US-4950385-\$.DID. OR US-5552033-\$.DID. OR US-5658453-\$.DID. OR US-5672265-\$.DID. OR US-5770045-\$.DID. OR US-5858209-\$.DID. OR US-4233268-\$.DID. OR US-2905620-\$.DID. OR US-2940921-\$.DID. OR US-2967822-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 16:17
S20	0	S19 and combine with reformat near pool	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 16:17
S21	0	S19 and reformat near pool	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 16:17
S22	0	S19 and combine with reformat	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 16:17

## EAST Search History

S23	121	("2401649"   "2664386"   "2758064"   "2851398"   "2853437"   "2915453"   "2921016"   "2965560"   "2970955"   "2990363"   "3001928"   "3033780"   "3124523"   "3177135"   "3180877"   "3379767"   "3392107"   "3502569"   "3595628"   "3652231"   "3679575"   "3706536"   "3706813"   "3714022"   "3725248"   "3753891"   "3761390"   "3776838"   "3816294"   "3835037"   "3865716"   "3869377"   "3926780"   "3933619"   "3974061"   "4049539"   "4134823"   "4206035"   "4208271"   "4401554"   "4560536"   "4594145"   "4615793"   "4645586"   "4648961"   "4650565"   "4885420"   "4927521"   "4930976"   "4950385"   "5015794"   "5030782"   "5107052"   "5298150"   "5320742"   "5346609"   "5362376"   "5396010"   "5411658"   "5413696"   "5413697"   "5413698"   "5565090"   "5672265").PN. OR ("2401649"   "2905620"   "2940921"   "2967822"   "3001928"   "4049539"   "4233268"   "4401554"   "4839024"   "4950385"   "5552033"   "5658453"   "5672265"   "5770045"   "5858209").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/17 16:18
S24	0	S23 and combine with reformat near pool	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 16:18
S25	1227	208/134,63.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/17 16:18
S26	0	S25 and combine with reformat near pool	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 16:18
S27	0	S23 and combine with reformat	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 16:45
S28	0	S19 and adsorb\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 16:45
S29	4	S19 and adsorb\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 16:46

## EAST Search History

S30	3	S19 and heat adj exchanger	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 16:46
S31	6570	cool\$4 with absorber	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/18 15:24
S32	1227	208/134,63.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/18 15:20
S33	25	S32 and cool\$4 with absorber	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 15:36
S34	20	US-2401649-\$.DID. OR US-3001928-\$.DID. OR US-4049539-\$.DID. OR US-4401554-\$.DID. OR US-4839024-\$.DID. OR US-4950385-\$.DID. OR US-5552033-\$.DID. OR US-5658453-\$.DID. OR US-5672265-\$.DID. OR US-5770045-\$.DID. OR US-5858209-\$.DID. OR US-4233268-\$.DID. OR US-2905620-\$.DID. OR US-2940921-\$.DID. OR US-2967822-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/19 16:19
S35	0	S34 and cool\$4 with absorber	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/18 15:21

## EAST Search History

S36	121	( "2401649"   "2664386"   "2758064"   "2851398"   "2853437"   "2915453"   "2921016"   "2965560"   "2970955"   "2990363"   "3001928"   "3033780"   "3124523"   "3177135"   "3180877"   "3379767"   "3392107"   "3502569"   "3595628"   "3652231"   "3679575"   "3706536"   "3706813"   "3714022"   "3725248"   "3753891"   "3761390"   "3776838"   "3816294"   "3835037"   "3865716"   "3869377"   "3926780"   "3933619"   "3974061"   "4049539"   "4134823"   "4206035"   "4208271"   "4401554"   "4560536"   "4594145"   "4615793"   "4645586"   "4648961"   "4650565"   "4885420"   "4927521"   "4930976"   "4950385"   "5015794"   "5030782"   "5107052"   "5298150"   "5320742"   "5346609"   "5362376"   "5396010"   "5411658"   "5413696"   "5413697"   "5413698"   "5565090"   "5672265").PN. OR ("2401649"   "2905620"   "2940921"   "2967822"   "3001928"   "4049539"   "4233268"   "4401554"   "4839024"   "4950385"   "5552033"   "5658453"   "5672265"   "5770045"   "5858209").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/18 15:23
S37	1	S36 and cool\$4 with absorber	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 14:11
S38	1	S32 and cool\$4 near absorber	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/18 15:24
S39	1371	cool\$4 near absorber	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/18 15:24

## EAST Search History

S40	20	US-2401649-\$.DID. OR US-3001928-\$.DID. OR US-4049539-\$.DID. OR US-4401554-\$.DID. OR US-4839024-\$.DID. OR US-4950385-\$.DID. OR US-5552033-\$.DID. OR US-5658453-\$.DID. OR US-5672265-\$.DID. OR US-5770045-\$.DID. OR US-5858209-\$.DID. OR US-4233268-\$.DID. OR US-2905620-\$.DID. OR US-2940921-\$.DID. OR US-2967822-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/19 14:12
S41	9	S40 and cool\$4 with temperature	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 14:12
S42	9	S40 and cool\$4 with temperature	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/19 14:12
S43	121	("2401649"   "2664386"   "2758064"   "2851398"   "2853437"   "2915453"   "2921016"   "2965560"   "2970955"   "2990363"   "3001928"   "3033780"   "3124523"   "3177135"   "3180877"   "3379767"   "3392107"   "3502569"   "3595628"   "3652231"   "3679575"   "3706536"   "3706813"   "3714022"   "3725248"   "3753891"   "3761390"   "3776838"   "3816294"   "3835037"   "3865716"   "3869377"   "3926780"   "3933619"   "3974061"   "4049539"   "4134823"   "4206035"   "4208271"   "4401554"   "4560536"   "4594145"   "4615793"   "4645586"   "4648961"   "4650565"   "4885420"   "4927521"   "4930976"   "4950385"   "5015794"   "5030782"   "5107052"   "5298150"   "5320742"   "5346609"   "5362376"   "5396010"   "5411658"   "5413696"   "5413697"   "5413698"   "5565090"   "5672265").PN. OR ("2401649"   "2905620"   "2940921"   "2967822"   "3001928"   "4049539"   "4233268"   "4401554"   "4839024"   "4950385"   "5552033"   "5658453"   "5672265"   "5770045"   "5858209").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 15:36

## EAST Search History

S44	1	S43 and cool\$4 with absorber	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 15:37
S45	5	S43 and absorber	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 15:38
S46	0	S40 and absorber	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 15:38
S47	1227	208/134,63.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 15:38
S48	59	S47 and absorber	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 16:00
S49	16	S47 and absorber with vapor	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 16:00
S50	3	S40 and heat adj exchanger	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/19 16:21
S51	4	S40 and exchanger	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/19 16:54
S52	11	S40 and cool\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/19 16:54
S53	1025	absorber with cool\$4 with separat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 11:35
S54	1227	208/134,63.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/20 11:27
S55	9	S54 and absorber with cool\$4 with separat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 11:27



## EAST Search History

S56	121	("2401649"   "2664386"   "2758064"   "2851398"   "2853437"   "2915453"   "2921016"   "2965560"   "2970955"   "2990363"   "3001928"   "3033780"   "3124523"   "3177135"   "3180877"   "3379767"   "3392107"   "3502569"   "3595628"   "3652231"   "3679575"   "3706536"   "3706813"   "3714022"   "3725248"   "3753891"   "3761390"   "3776838"   "3816294"   "3835037"   "3865716"   "3869377"   "3926780"   "3933619"   "3974061"   "4049539"   "4134823"   "4206035"   "4208271"   "4401554"   "4560536"   "4594145"   "4615793"   "4645586"   "4648961"   "4650565"   "4885420"   "4927521"   "4930976"   "4950385"   "5015794"   "5030782"   "5107052"   "5298150"   "5320742"   "5346609"   "5362376"   "5396010"   "5411658"   "5413696"   "5413697"   "5413698"   "5565090"   "5672265").PN. OR ("2401649"   "2905620"   "2940921"   "2967822"   "3001928"   "4049539"   "4233268"   "4401554"   "4839024"   "4950385"   "5552033"   "5658453"   "5672265"   "5770045"   "5858209").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/20 11:36
S57	0	S56 and absorber with cool\$4 with separat\$4 and absorber	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 11:36
S58	1025	absorber with cool\$4 with separat\$4 and absorber	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 14:18
S59	20	US-2401649-\$.DID. OR US-3001928-\$.DID. OR US-4049539-\$.DID. OR US-4401554-\$.DID. OR US-4839024-\$.DID. OR US-4950385-\$.DID. OR US-5552033-\$.DID. OR US-5658453-\$.DID. OR US-5672265-\$.DID. OR US-5770045-\$.DID. OR US-5858209-\$.DID. OR US-4233268-\$.DID. OR US-2905620-\$.DID. OR US-2940921-\$.DID. OR US-2967822-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 14:18

## EAST Search History

S60	9	S59 and cool\$4 with temperature	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 14:22
S61	1227	208/134,63.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/20 14:22
S62	245	S61 and cool\$4 with temperature	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 14:23
S63	177	S61 and cool\$4 with temperature and aromatic	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 14:23
S64	0	("2940921").URPN.	USPAT	OR	OFF	2006/07/20 14:27
S65	0	("2940921").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/20 14:27
S66	4	S59 and second with feed	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 15:01
S67	121	("2401649"   "2664386"   "2758064"   "2851398"   "2853437"   "2915453"   "2921016"   "2965560"   "2970955"   "2990363"   "3001928"   "3033780"   "3124523"   "3177135"   "3180877"   "3379767"   "3392107"   "3502569"   "3595628"   "3652231"   "3679575"   "3706536"   "3706813"   "3714022"   "3725248"   "3753891"   "3761390"   "3776838"   "3816294"   "3835037"   "3865716"   "3869377"   "3926780"   "3933619"   "3974061"   "4049539"   "4134823"   "4206035"   "4208271"   "4401554"   "4560536"   "4594145"   "4615793"   "4645586"   "4648961"   "4650565"   "4885420"   "4927521"   "4930976"   "4950385"   "5015794"   "5030782"   "5107052"   "5298150"   "5320742"   "5346609"   "5362376"   "5396010"   "5411658"   "5413696"   "5413697"   "5413698"   "5565090"   "5672265").PN. OR ("2401649"   "2905620"   "2940921"   "2967822"   "3001928"   "4049539"   "4233268"   "4401554"   "4839024"   "4950385"   "5552033"   "5658453"   "5672265"   "5770045"   "5858209").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/20 15:01

## EAST Search History

S68	32	S67 and second with feed	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 15:03
S69	12	S67 and second near feed	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 15:18
S70	2	S59 and feed with second with reactor	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 15:20
S71	6	S67 and feed with second with reactor	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 15:20